(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number: **0 419 205 A3**

(12) EUROPEAN PATENT APPLICATION

(21) Application number: **90310186.3**

(51) Int. Cl.5: **H04Q 7/04**, H04B 7/26

(22) Date of filing: **18.09.90**

(30) Priority: **19.09.89 JP 240643/89**

(43) Date of publication of application:
27.03.91 Bulletin 91/13

(84) Designated Contracting States:
DE GB SE

(88) Date of deferred publication of the search report:
29.04.92 Bulletin 92/18

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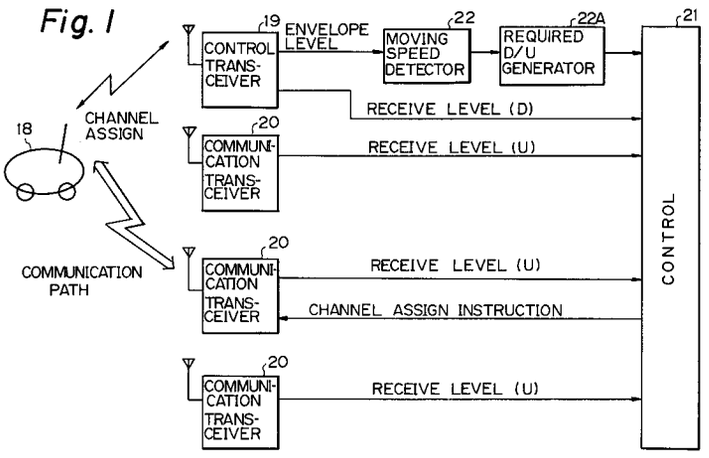
(54) A channel assignment system.

(57) In a mobile communication system between a mobile station (5) and a telephone network through a base station (4) which assigns a communication channel so that it satisfies required communication quality or D/U ratio, said base station (4) comprises a moving speed detector (22) for measuring moving speed of the mobile station, and a D/U ratio generator (22A) responsive of output of said moving speed detector (22) for providing said required communication quality. The required communication quality depends upon the moving speed of a mobile station, and a communication channel is selected to be the minimum quality channel as far as it satisfies said required communication quality. Thus, the communication quality is always higher than the requested threshold quality level, and the effective reuse of frequencies is improved.

Fig. 1



EP 0 419 205 A3

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EUROPEAN SEARCH REPORT

Application Number

EP 90 31 0186

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	PATENT ABSTRACTS OF JAPAN vol. 13, no. 220 (E-762)23 May 1989 & JP-A-01 032 727 (MITSUBISHI ELECTRIC CORP.) 2 February 1989 * abstract *	1,4,5	H04Q7/04 H04B7/26
Y	IEEE TRANSACTIONS ON VEHICULAR COMMUNICATIONS. vol. VT-36, no. 1, February 1987, NEW YORK US pages 7 - 13; S. KOZONO: 'Co-Channel Interference Measurement Method for Mobile Communication'	1,4,5	
A	* page 7, left column, line 1 - line 17 * * page 8, paragraph B - right column, line 4 * * page 9, left column, line 40 - line 49 *	2,3	
A	EP-A-0 308 253 (NEC) * column 1, line 50 - line 63 * * column 3, line 7 - line 40 * * column 4, line 10 - line 15 *	1-4	

TECHNICAL FIELDS SEARCHED (Int. Cl.5)
H04Q H04B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	28 FEBRUARY 1992	GERLING J.C.J.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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